



Example of Principal System Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of principal system engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for principal system engineer

- Assist with the development of systems integration, migration plans/schedules
- Coordinate with the INSCOM G3 AISR office for aviation related matters, testing, operations and system fielding to INSCOM for sole user systems
- Assist INSCOM subordinate organization in the support of airborne AISR operational capabilities and interfaces with national agencies to ensure seamless operations at the Army, Joint and National level
- Develop technical solutions for system modernization initiatives for the large variety and complexity of INSCOM intelligence systems
- Assist in testing, recording and analysis of results for air and ground systems
- Attend In-Process Reviews, Technical Exchange Meetings and conferences as required
- Technical report, trip reports, information papers and Executive Summaries as required
- Implementing security measures at system and individual Guest OS level
- Prepare approach documents, performance benchmarking approach note and reports, participate in technical discussions and reviews, etc
- Collaborate as a module lead or team member

Qualifications for principal system engineer

- Experience with various tools and processes utilized in the entire SDLC – demonstrated knowledge with requirements management such as DOORS,

Subversion, ClearCase, , defect tracking tools such as JIRA, agile development techniques and tools

- Significant experience in at least one of the following system engineering areas architecture development, operations concept development, functional analysis, interface definition, and verification & validation for Satellite Ground Systems
- Orbital Mechanics
- Development or Operations environment
- Experience in virtualization and cloud computing preferred
- Knowledge of X86 industry specifications and requirements (ACPI, PCI-E, USB, SATA)